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WATER SUPPLY OUTLOOK FOR UTAH

U.S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

APR 26 1967

U.S. DEPARTMENT OF AGRICULTURE

and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

UNITED STATES DEPARTMENT of AGRICULTURE...SOIL CONSERVATION SERVICE,
and
STATE ENGINEER of UTAH

In cooperation with U.S. Forest Service, Bureau of Reclamation,
Utah Fish and Game Dept., Utah Agricultural Experiment Station,
U.S. National Park Service, U.S. Geological Survey; and other
Federal, State, and private organizations.

AS OF
MAR. 1, 1967

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season as they affect runoff will add to be an effective average. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1400 snow courses in Western United States and in the Columbia Basin in British Columbia. In the near future, it is anticipated that automatic snow water equivalent sensing devices along with radio telemetry will provide a continuous record of snow water equivalent at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data or reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

Listed below are water supply outlook reports based on Federal-State-Private Cooperative snow surveys. Those published by the Soil Conservation Service may be obtained from Soil Conservation Service, Room 507, Federal Building, 701 N. W. Glisan, Portland, Oregon 97209.

PUBLISHED BY SOIL CONSERVATION SERVICE

D. A. WILLIAMS, Administrator

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, Western Regional Technical Service Center, Room 507, 701 N. W. Glisan, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	P. O. Box "F", Palmer, Alaska 99645
Arizona	6029 Federal Building, Phoenix, Arizona 85205
Colorado (N. Mex.)	12417 Federal Building, Denver, Colorado 80202
Idaho	P. O. Box 38, Boise, Idaho 83701
Montana	P. O. Box 855, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4001 Federal Building, Salt Lake City, Utah 84111
Washington	840 Bon Marche Bldg., Spokane, Washington 99206
Wyoming	P. O. Box 340, Casper, Wyoming 82602

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia



WATER SUPPLY OUTLOOK
and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS
for
UTAH

MARCH 1, 1967

Report prepared by

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SOIL CONSERVATION SERVICE
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PROSPECTIVE WATER SUPPLIES

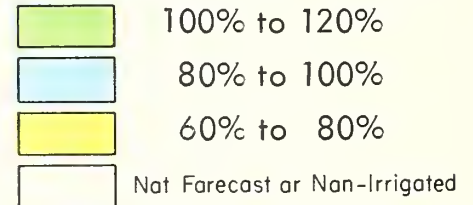
Based on Snow Surveys Made on
UTAH and BEAR RIVER WATERSHEDS

March 6, 1967

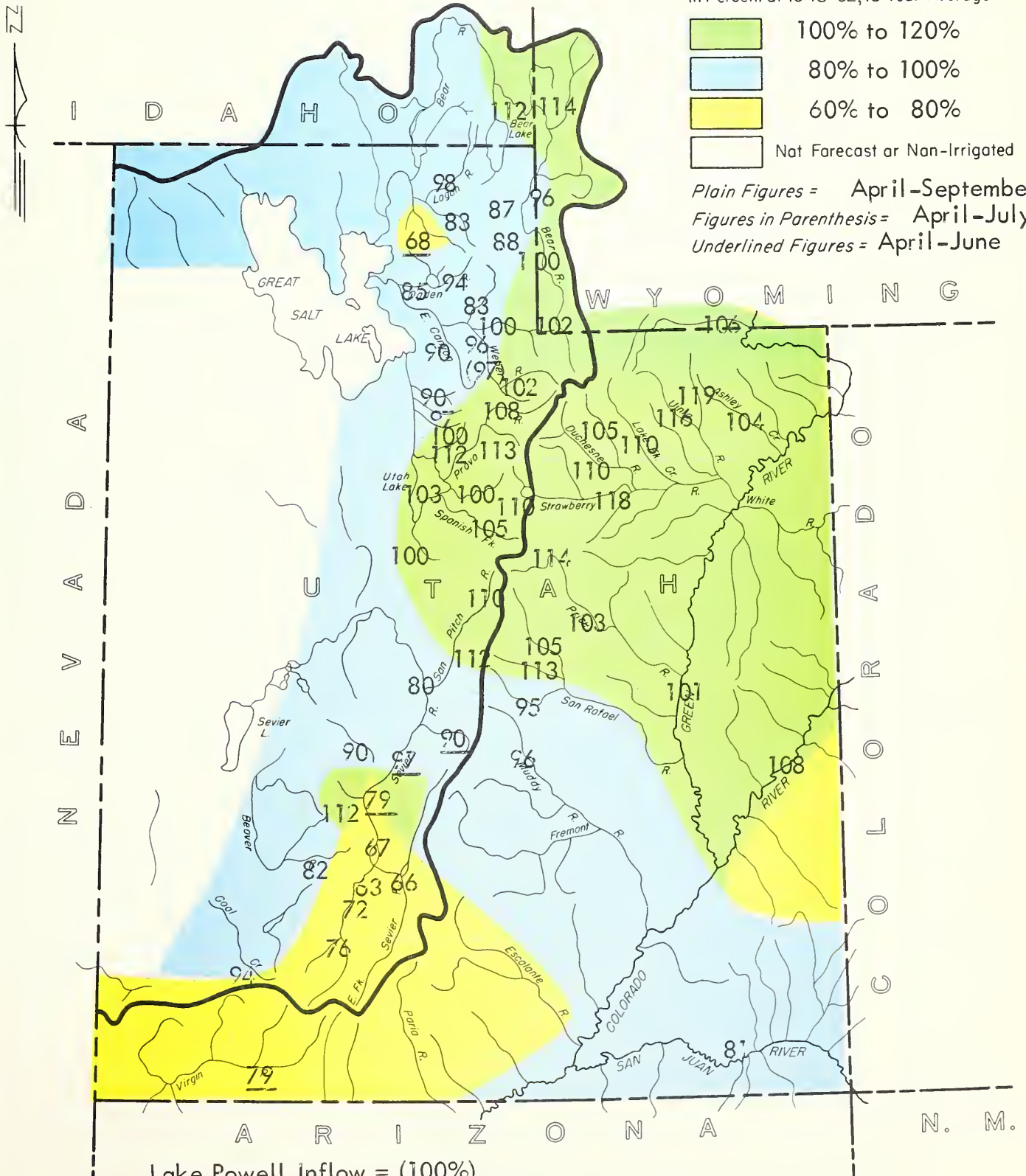
Approximate Date



FORECAST STREAM FLOW
in Percent of 1948-62, 15 Year Average



Plain Figures = April-September
Figures in Parenthesis = April-July
Underlined Figures = April-June



Lake Powell Inflow = (100%)
Flaming Gorge Inflow = (100%)

WATER SUPPLY OUTLOOK

as of
MARCH 6, 1967

* Since most Utah streams are still expected to yield *
* more than 80% of average runoff next summer, the *
* water outlook is relatively good. Principal excep- *
* tion is in the south on the upper Sevier, Virgin *
* and Escalante rivers where forecasts range from *
* about 65% to 80% of average. Reservoir storage is *
* generally above average in central and northern *
* reservoirs, but only 59% of average in the Sevier *
* river system and 69% on the Beaver river. *

In spite of February's dry weather, prospects for next summer's streamflow are still relatively good in most areas of the state. The snowpack at the end of January was so favorable that although stream forecasts have dropped about 5% to 15% in northern Utah and about 10% to 40% for central and southern watersheds, most streams are still expected to yield between about 80% and 120% of average amounts.

The outlook for the snowmelt season runoff is becoming poor (65% to 80% of average expected) for water users served by the following streams - - the Sevier river (both main and east forks) south of Piute reservoir, the Virgin, Santa Clara, Paria and Escalante rivers, streams near Moab, Monticello and Tooele, and the Little Bear river in Cache Valley. If the dry weather of the past month should continue thru March, people in these areas can be expected to experience definite water shortages next summer, particularly where adequate reservoir storage is not available.

Fortunately for some water users in this drier area, flood waters from December's heavy rains were caught and stored, considerably brightening their water picture. Among these were Tropic, Enterprise and Newcastle reservoirs.

Streams which are still expected to produce from average to about 20% above average amounts include the upper Bear river, Weber river above Oakley, streams of the Uintah Basin and those draining into Utah Lake, tributaries of the San Pitch river north of Manti, all watersheds in Carbon county, Huntington and Cottonwood Creeks in Emery county, Clear Creek near Sevier and streams coming from Monroe mountain. All other streams in the state are forecast to yield at from 80% to average amounts.

WATER SUPPLY OUTLOOK (continued)

Inflow to Lake Powell and Flaming Gorge reservoirs during the April-July period is forecast at 7.7 and 1.13 million acre feet, respectively, assuming no change in upstream storage. This represents average inflow.

The driest portion of Utah during February was in the southeast. Practically no precipitation was reported in this half of the State, including all of Washington county and most of the Sevier basin above Salina. Only two small areas, the Upper Logan Basin and headwaters of the Bear-Weber-Provo Rivers, reported amounts near normal. Only about half of normal was received along the Wasatch front and extending southward down the Wasatch Range from Strawberry reservoir to Fish Lake. The remainder of the Great Basin south of Utah Lake, except over a few isolated ridges, was in the lower 25% bracket.

UTAH STREAMFLOW FORECASTS ^a (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	THIS YEAR AS PERCENT OF AVERAGE	FORECAST PERIOD	LAST YEAR	AVERAGE ^b
<u>BEAR RIVER SYSTEM</u>					
Bear at Harer, Idaho	290	112	Apr-Sept	208	258
Bear nr Randolph	90	96	Apr-Sept		94
Bear nr Ut-Wyo State Line	117	102	Apr-Sept	91	115
Bear nr Woodruff	117	100	Apr-Sept	72	117
Big Crk nr Randolph, Utah	7.5	87	Apr-Sept		8.6*
Blacksmith Fork nr Hyrum	52	83	Apr-Sept	47	63
Little Bear nr Paradise	26	68	Apr-June	21	38
Logan nr Logan (1)	130	98	Apr-Sept	101	133
Smith's Fork nr Border, Wyoming	128	114	Apr-Sept	77	112
Woodruff Crk nr Woodruff, Utah	15.5	88	Apr-Sept		17.6*
<u>WEBER-OGDEN RIVERS</u>					
Chalk Crk at Coalville	36	100	Apr-Sept	28	36
East Canyon Crk nr Morgan (2)	23	90	Apr-Sept	15.7	25.6
Lost Crk nr Croydon, Utah	15	83	Apr-Sept	12.9	18.1
Pineview Reservoir Inflow (3)	110	85	Mar-July	102	129
So Fork Ogden nr Huntsville	58	94	Apr-Sept	50	62
Rockport Reservoir Inflow (4)	114	97	Apr-July	94	117*
Weber nr Coalville (5)	123	96	Apr-Sept	95	128
Weber nr Oakley	100	100	Apr-June	88	100
	125	102	Apr-Sept	105	123
<u>PROVO RIVER & UTAH LAKE</u>					
American Fork nr American Fork	37	112	Apr-Sept	27	33
Hobble Crk nr Springville	21	100	Apr-Sept		21.2
Payson Creek nr Payson	7.3	100	Apr-Sept		7.3
Provo nr Hailstone (6)	118	108	Apr-Sept	74	109
Provo below Deer Crk Dam (7)	153	113	Apr-Sept		135
Spanish Fork at Thistle	42	105	Apr-Sept		40
Strawberry Reservoir Inflow (8)	55	110	Apr-Sept	33	50
Utah Lake Inflow	290	103	Apr-Sept	176	282
<u>JORDAN RIVER & SALT LAKE</u>					
Big Cottonwood nr SLC	38	97	Apr-Sept	28	39
Little Cottonwood Crk nr SLC	38	100	Apr-Sept	29	38
Parley's Crk nr SLC	12	90	Apr-Sept	9.7	13.3

(1) Includes U.P. & L. Co. tailrace and Logan, Hyde Park & Smithfield Canal. (2) Observed flow plus change in storage in East Canyon Reservoir. (3) Inflow record as computed by U.S. Bureau of Reclamation. (4) Observed flow Weber River near Wanship, Utah, plus change in storage in Wanship Reservoir, plus diversion by Weber-Provo Canal. (5) Includes diversion by Weber-Provo Canal and change in storage in Wanship Reservoir. (6) Observed flow minus diversions thru Duchesne tunnel and Weber-Provo Canal. (7) Observed flow plus change in storage in Deer Creek reservoir, minus diversions thru Duchesne tunnel & Weber-Provo Canal. (8) Change in storage plus diversion thru Strawberry tunnel.

UTAH STREAMFLOW FORECASTS ^a (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	THIS YEAR AS PERCENT OF AVERAGE	FORECAST PERIOD	LAST YEAR	AVERAGE ^b
<u>SEVIER RIVER</u>					
Chalk Creek nr Fillmore	15	90	Apr-Sept	10.3	16.7
Clear Crk nr Sevier (abv. Div.)	14.5	112	Apr-June		12.9*
East Fork Sevier nr Kingston (9)	8	51	Apr-June		15.8
	13	66	Apr-Sept	4.8	19.8
Inflow					
Kingston to Vermillion Dam	31	79	Apr-June	22.8	39
Vermillion Dam to Gunnison	57	97	Mar-June	47	59
Salina Crk at Salina (10)	7.5	90	Apr-June	1.4	8.3*
Sevier nr Circleville	29	72	Apr-Sept	37	40 *
Sevier nr Gunnison	44	80	Apr-Sept	21	55
Sevier at Hatch	24	75	Apr-June	35	32
	34	76	Apr-Sept	47	45
Sevier nr Kingston	11	52	Apr-June	15.0	21.0
	16	63	Apr-Sept	16.3	25.5
Sevier below Piute Dam (11)	30	67	Apr-Sept		45
<u>SAN PITCH RIVER</u>					
Ephraim Creek nr Ephraim	17	112	Apr-Sept		15.2
Pleasant Crk nr Mt. Pleasant	10.7	110	Apr-Sept		9.7*
Twin Crk nr Mt. Pleasant	5.2	111	Apr-Sept		4.7*
<u>BEAVER RIVER</u>					
Beaver nr Beaver	14.5	80	Apr-June	12.0	18.0
	20	82	Apr-Sept	15.1	24.3
Rockyford Reservoir Inflow (12)	3	38	Apr-June	1.4	7.8
<u>COAL CREEK</u>					
Coal Crk nr Cedar City	15	94	Apr-Sept	16.4	16.0
COLORADO RIVER BASIN					
GREEN RIVER TRIBUTARIES IN UTAH					
<u>FLAMING GORGE TO DUCHESNE RIVER</u>					
Ashley Creek nr Vernal	58	104	Apr-Sept	48	56
Henry's Fork at Linwood	36	106	Apr-Sept		34

(9) Observed flow plus change in storage in Otter Creek Reservoir. (10) Gage is below diversions near Salina.
(11) Observed flow plus change in storage in Otter Crk & Piute Reservoirs. (12) Observed flow at Rockyford Dam,
corrected for change in storage in Rockyford Reservoir.

UTAH STREAMFLOW FORECASTS ^a (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	THIS YEAR AS PERCENT OF AVERAGE	FORECAST PERIOD	LAST YEAR	AVERAGE ^b
<u>DUCHESNE RIVER</u>					
Duchesne at Provo River (Trail nr Hanna)	40	114	Apr-Sept		35*
Duchesne nr Tabiona (13)	125	110	Apr-Sept	89	114
Lakefork below Moon Lake (14)	79	110	Apr-Sept	69	72
Rock Crk nr Mtn. Home	107	105	Apr-Sept	77	102
Strawberry at Duchesne	85	118	Apr-Sept	53	72
Uinta nr Neola	110	116	Apr-Sept	94	95
Whiterocks nr Whiterocks	75	119	Apr-Sept	60	63
Yellowstone nr Altonah	80	110	Apr-Sept	75	73
<u>PRICE RIVER</u>					
Gooseberry Crk nr Scofield	13.4	113	Apr-Sept	8.4	11.9
Price nr Heiner (15)	70	103	Apr-Sept	44	68
Scofield Reservoir Inflow (15)	42	114	Apr-Sept	21.3	37
<u>SAN RAFAEL RIVER</u>					
Cottonwood Crk nr Orangeville	62	113	Apr-Sept	33	55
Ferron Crk nr Ferron	40	95	Apr-Sept		42
Huntington Crk nr Huntington	59	105	Apr-Sept	42	56
<u>MUDDY RIVER</u>					
Muddy Creek nr Emery	22	96	Apr-Sept	12.0	22.8*
<u>VIRGIN RIVER</u>					
Virgin nr Virgin	34	79	Apr-June	39	43
<u>UPPER COLORADO BASIN</u>					
Colorado nr Cisco, Utah (15)	4100	108	Apr-Sept	2148	3789
Flaming Gorge Inflow (3)	1130	100	Apr-July		1129
Lake Powell Inflow (3)	7700	100	Apr-July		7692
Green at Green River, Utah (15)	3400	101	Apr-Sept		3368
San Juan nr Bluff, Utah (15)	950	81	Apr-Sept	1034	1172

(13) Observed flow plus diversion through Duchesne Tunnel. (14) Observed flow plus change in storage in Moon Lake Reservoir. (15) Observed flow plus change in storage reservoir.

GENERAL FOOTNOTES

(a) Runoff forecasts are based principally on mountain snow cover and on the assumption that precipitation and temperature will be near average from the present time to the end of the forecast period. Appreciable deviations from normal of temperature and/or precipitation will correspondingly modify these forecasts. The discharge data is taken from preliminary records of the U.S. Geological Survey. (b) 1948-62, 15 year period. *Partly estimated.

RESERVOIR STORAGE (1,000 Ac. Ft.)

BASIN or STREAM	RESERVOIR	USABLE CAPACITY	MEASURED (FIRST OF MONTH)		
			THIS YEAR	LAST YEAR	AVERAGE ^a
GREAT BASIN					
<u>Bear River</u>	Bear Lake	1421.0	1076.4	1145.4	894.3
	Woodruff Narrows	26.5	17.5	18.4	- -
<u>Beaver River</u>	Rocky Ford	23.3	8.6	13.8	12.5
<u>Little Bear</u>	Hyrum	15.3	10.3	10.5	10.8
	Porcupine	11.3	2.7	2.1	- -
<u>Ogden</u>	Causey	7.1	0.8	2.2	- -
	Pineview	110.1	35.4	61.4	11.1
<u>Provo</u>	Deer Creek	149.7	88.3	108.5	92.3
<u>Sevier River</u>	Gunnison	18.2	6.7	- -	- -
	Otter Creek	52.5	18.0	28.2	27.6
	Piute	71.8	48.9	46.5	38.9
	Sevier Bridge	236.0	36.8	109.8	108.2
<u>Spanish Fork</u>	Strawberry	265.4	95.5	118.2	135.6
<u>Utah Lake</u>	Utah Lake	**883.9	653.8	712.6	587.3
<u>Weber</u>	East Canyon	48.1	14.5	0.3	13.4
	Echo	73.9	49.6	63.7	29.3
	Lost Creek	18.2	0.0	- -	- -
	Rockport	60.9	14.2	44.9	17.5*
	Willard Bay	198.2	110.5	80.2	- -
COLORADO RIVER DRAINAGE					
<u>Ashley Creek</u>	Steinaker	33.3	23.5	20.5	- -
<u>Colorado</u>	Blue Mesa	940.8d	372.5	- -	- -
	Lake Powell	27000.0d	7525.0	8748.0	- -
<u>Green</u>	Flaming Gorge	3789.0d	2096.0	2383.8	- -
<u>Lake Fork</u>	Moon Lake	35.8	16.0	32.0	14.6
<u>Price River</u>	Scofield	65.8	37.8	53.2	19.6
<u>San Rafael</u>	Joes Valley	54.6	2.5	- -	- -
<u>San Juan</u>	Navajo	1709.0d	374.3	217.3	- -

* - Average for 1957-62 inclusive

** - Taken at compromise point

All data contained in this table supplied by the U.S. Geological Survey.

(a) 1948-62 average. (b) Active capacity taken at 3.1 feet above compromise point. (c) Partly estimated.

(*) Total capacity reported.

COMPARISON of SNOW COVER

RIVER BASIN or TRIBUTARY WATERSHED	NO. of COURSES AVERAGED	THIS YEARS SNOW WATER EXPRESSED AS PERCENT OF :	
		LAST YEAR	AVERAGE *

GREAT BASIN

Smith's Fork - Bear River (Wyo)	5	149	110
Strawberry-Mink Creeks (Ida)	3	155	105
Cub River (Ida)	2	125	100
Logan River	5	122	102
Blacksmith Fork-Little Bear	5	95	92
Malad River (Idaho)	2	138	96
Ogden River	5	92	89
Weber River above Echo Dam	8	118	98
Chalk Creek - Coalville	3	112	103
East Canyon Creek	3	120	98
Farmington Creek	2	112	90
Salt Lake Area	4	123	96
Tooele Area	1	85	71
American Fork River	3	130	119
Provo River above Vivian Park	6	133	110
Strawberry Reservoir Valley	3	130	116
Spanish Fork River	5	124	107
Hobble Creek	2	98	85
Mt. Nebo Area	2	114	98
Sevier River above Panguitch	5	60	74
East Fork Sevier River	6	73	70
Clear Creek above Sevier	1	103	97
Salina Creek	2	120	90
Mt. Pleasant Area	2	131	98
Ephraim Creek	2	132	91
Mayfield Area	2	125	78
Chicken Creek - Levan	1	171	91
Chalk Creek - Fillmore	3	90	78
Beaver River	3	80	72
Parowan Creek	2	58	64
Coal Creek - Cedar City	4	66	86
Enterprise Reservoir	1	15	19
New Harmony - Pinto Drainages	1	36	59

COLORADO RIVER BASIN

Duchesne River above Tabiona	3	143	113
Strawberry River	4	172	121
Lakefork River	2	108	112
Whiterocks-Uintah Rivers	3	111	119
Ashley Creek	4	108	117
Price River	7	129	112
San Rafael Tributaries	4	113	98
Fremont River	4	103	81
Escalante River	3	55	57
Virgin River	4	56	70
LaSal Mtns. near Moab	2	42	53
Blue Mtns. nr Monticello	2	55	74

* Actual or Estimated 1948-62, 15 year Average.

SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE ^a

GREAT BASIN DRAINAGE

UPPER BEAR RIVER

(Above Harer, Idaho)

Big Park	10G11	8700	2/25	56	18.6	13.3	17.5*
CCC Camp x	10G7	7500	2/27	42	12.5	8.1	10.4
Kelly Ranger Station	10G12	8200	2/25	50	16.2	12.0	16.9*
Monte Cristo R.S.	11H12	8960	2/27	60	20.4	22.4	21.5*
Piney LaBarge x	10G10	8820	2/26	65	22.1	12.3	20.7*
Poison Meadows x	10G6	8500	2/26	86	28.4	17.1	24.4
Salt River Summit x	10G8	7900	2/27	49	16.1	12.0	13.3
Trail Lake x	10J8	9800	2/28	73	24.3	17.4	23.0*

LOWER BEAR RIVER

(Below Harer, Idaho)

Beaver Crk-Skunk Crk.	11H14	7150	2/27	35	10.8	10.6	11.1*
Christensen Ranch	11G11	5600	2/28	30	8.6	7.0	9.0*
Cub River R.S.	11G12	5400	2/28	27	9.2	7.8	9.4*
Dry Bread Pond x	11H13	8230	2/27	48	15.6	16.0	16.0*
Dry Creek Flat	12G4	6350	2/27	22	6.7	5.0	6.9*
Emigration Canyon	11G7	6500	2/28	30	9.5	7.3	- -
Emigrant Summit	11G6	7700	2/28	66	22.4	15.2	- -
Garden City Summit	11H7	7600	2/25	50	15.6	14.4	16.8*
Klondike Narrows	11H1	7400	2/28	56	19.4	15.2	18.0*
Little Bear(lower)	11H26	6100	2/23	29	7.6	8.9	8.6*
Little Bear(upper)	11H25	6850	2/23	32	8.1	10.4	10.6*
Monte Cristo R.S.	11H12	8960	2/27	60	20.4	22.4	21.5*
Oxford Mountain	12G3	6800	2/27	30	8.3	5.9	8.7*
Slug Creek Divide	11G5	7225	2/24	49	14.8	11.2	- -
Steep Hollow #1	11H27	8500	2/28	90	33.1	26.8	30.5*
Steep Hollow #2	11H28	7700	2/28	69	24.8	19.8	23.5*
Strawberry Creek	11G9	5800	2/28	36	10.3	7.6	11.1*
Strawberry Mink Divide	11G10	6800	2/28	64	22.4	12.3	19.3*
Tony Grove R.S.	11H3	6250	2/25	36	11.0	8.8	11.4*
Willow Flat	11G4	6100	2/28	43	13.0	10.6	14.3*

OGDEN RIVER

Beaver Crk-Skunk Crk.	11H14	7150	2/27	35	10.8	10.6	11.1*
Ben Lomond(lower)	11H9	5850	2/24	34	9.4	12.3	13.0*
Ben Lomond Peak	11H8	8000	2/24	71	25.0	26.8	29.5*
Ben Lomond Trail	11H30	6000	2/24	38	11.2	13.8	- -
Cutler Creek	11H29	6780	2/24	58	18.8	20.8	- -
Dry Bread Pond	11H13	8230	2/27	48	15.6	16.0	16.0*
Horse Ridge	11H21	8260	3/1	53	17.7	15.3	19.8*
Monte Cristo R.S.	11H12	8960	2/27	60	20.4	22.4	21.5*
Sagebrush Flat	11H15	6300	2/27	16	4.9	5.8	4.7*

(a) 1948-62, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. * Estimated 1948-62, 15 year average.

SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE ^a

WEBER RIVER

Beaver Creek R.S.	11J24	7500	2/28	32	8.0	6.4	8.4*
Chalk Creek #1	11J1	9100	2/23	64	20.4	17.6	19.2*
Chalk Creek #2	11J2	8000	2/23	46	12.7	11.3	12.1*
Chalk Creek #3	11J3	7500	2/23	26	6.5	6.1	6.7*
Farmington Canyon(lower)	11J12	6950	2/27	50	14.9	13.6	19.6*
Farmington Canyon(upper)	11J11	8000	2/27	70	23.3	20.6	22.3*
Horse Ridge	11H21	8260	3/1	53	17.7	15.3	19.8*
Kilfore Creek	11H31	7300	3/1	46	14.0	11.7	- -
Lamb's Canyon x	11J14	6600	2/24	44	13.4	9.6	13.3*
Lost Creek Reservoir	11H32	6125	3/1	16	4.8	5.2	- -
Parley's Canyon Smt.	11J15	7500	2/25	48	14.6	12.2	15.8*
Redden Mine(lower)	11J6	8500	2/24	49	15.5	14.2	15.9*
Redden Mine(upper)	11J5	9000	2/24	53	17.1	16.2	17.3*
Silver Lake x	11J16	8725	2/23	60	20.4	20.6	20.5
Smith & Morehouse	11J4	7600	2/24	35	10.6	10.4	11.7*
Trial Lake x	10J8	9800	2/28	73	24.3	17.4	23.0*

PROVO RIVER & UTAH LAKE

Camp Altamont	11J20	7300	2/27	53	19.0	14.0	14.9
Clear Creek Ridge #1	11K21	9200	2/23	52	17.8	14.1	15.5*
Clear Creek Ridge #2	11K22	8000	2/23	43	13.2	10.6	12.2*
Clear Creek Ridge #3	11K23	6600	2/23	28	8.1	5.7	6.9*
Daniels-Strawberry Smt.	11J23	8000	2/27	50	17.3	12.0	13.4
Dutchman R.S.	11J17	7500	2/27	57	18.0	14.9	17.1*
East Portal	11J7	7560	2/26	41	12.0	10.0	10.6
Hobble Creek Summit	11J22	7300	3/1	38	11.6	11.0	12.4*
Packard Canyon	11J31	6400	3/1	28	7.2	7.9	9.6*
Payson R.S.	11K1	8050	2/24	47	16.1	14.1	15.7*
Rock Bridge	11K2	6750	2/24	34	10.2	9.0	11.0*
Soapstone R.S.	11J25	7800	2/28	42	12.3	8.5	11.7
South Fork R.S.	11J19	6100	2/27	27	9.5	5.3	6.2
Strawberry Divide	11J8	8000	2/26	57	18.6	14.8	17.7
Timpanogos Cave Camp	11J18	5500	2/27	12	5.1	3.0	3.3*
Timpanogos Divide	11J21	8140	2/27	79	28.6	21.4	22.8
Trial Lake	10J8	9800	2/28	73	24.3	17.4	23.0*

JORDAN RIVER & TOOELE VALLEY

Lamb's Canyon	11J14	6600	2/24	44	13.4	9.6	13.3*
Middle Canyon - Tooele	12J3	7000	3/1	28	8.2	9.7	11.6*
Mill D South Fork	11J10	7400	2/23	54	16.5	12.5	17.8*
Parley's Canyon Smt. x	11J15	7500	2/25	48	14.6	12.2	15.8*
Silver Lake	11J16	8725	2/23	60	20.4	20.6	20.5
Vernon Crk.	12K1	7500	2/28	30	9.2	- -	- -

(a) 1948-62, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation; Water content estimated. * Estimated 1948-62, 15 year average.

SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE ^a

UPPER SEVIER RIVER
(South of Richfield, Utah)

Big Flat x	12L7	10290	2/23	46	14.5	12.8	15.0*
Box Creek	12L4	9800	2/27	40	11.4	9.4	10.2*
Bryce Canyon	12M8	8000	2/27	12	2.8	5.8	4.9*
Castle Valley	12M13	9700	2/21	30	8.6	14.2	12.0*
Cedar Breaks	12M1	10390	2/27	57	17.3	22.8	17.7*
Duck Creek R.S.	12M4	8560	2/24	24	7.1	16.3	12.8*
Fish Lake	11L3	8700	2/24	19	5.2	5.0	6.6*
Harris Flat R.S.	12M5	7700	2/24	15	4.3	9.0	7.9*
Kimberly Mine	12L6	8900	2/28	40	12.2	11.8	12.6*
Long Valley Jct. x	12M6	7500	2/24	8	2.0	4.3	4.0*
Midway Valley	12M2	9800	2/27	59	17.3	24.1	19.3*
Panguitch Lake	12M7	8200	2/21	8	2.1	7.4	4.1*
Squaw Springs	12L5	9300	2/27	21	5.2	6.0	5.9*
Widtsoe-Escalante Smt.	11M1	9500	2/23	13	3.9	8.0	6.8
Widtsoe-Escalante #2	11M2	9500	2/23	20	5.2	8.6	9.0*
Widtsoe-Escalante #3	11M3	9500	2/23	24	6.5	11.6	11.6*

LOWER SEVIER RIVER
(Including San Pitch River)

Bear Canyon	12L3	7200	2/28	22	6.0	6.7	8.0*
Beaver Dams	11K13	8000	2/24	25	7.4	6.2	10.7*
Farnsworth Lake	11L1	9900	2/27	44	13.2	10.4	14.4*
G.B.R.C. Headquarters	11K11	8700	2/28	44	13.0	8.7	14.1*
G.B.R.C. Meadows	11K10	10000	2/28	58	18.5	16.1	20.5*
Gooseberry R.S.	11L2	8400	2/27	29	8.2	7.3	9.4*
Gooseberry Reservoir x	11K4	8700	2/23	47	16.7	12.5	17.0*
Mammoth R.S.-Ctnwood Crk.	11K3	8800	2/23	52	17.4	13.6	17.5*
Mt. Baldy R.S.	11K12	9500	2/24	51	16.5	12.6	18.8*
Pine Creek	12L1	8700	2/27	36	10.3	11.6	12.5*
Rees' Flat	11K36	7300	2/21	33	8.9	5.2	9.8*
Shingle Mill	12L11	6200	2/28	21	5.9	6.4	7.7*

BEAVER RIVER

Big Flat	12L7	10000	2/23	46	14.5	12.8	15.0*
Merchant's Valley	12L9	8200	2/23	19	3.9	8.1	8.5*
Otter Lake	12L8	9300	2/23	35	9.3	11.8	13.0*

PAROWAN CREEK

Birch Crossing	12M16	8100	2/27	15	3.7	5.0	- -
Brian Head	12M14	10400	2/27	48	11.8	16.8	- -
Ed Ward Flat	12M12	8300	2/28	19	3.4	7.2	6.0*
Tall Poles	12M15	8800	2/27	36	9.1	10.9	- -
Yankee Reservoir	12M11	8700	2/28	25	5.4	8.0	7.7*

(a) 1948-62, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation; Water content estimated. * Estimated 1948-62, 15 year average.

SNOW COURSE			Date of Survey	Snow Depth (In)	Water Content (In)	Past Record Water Content(In) Last Yr. Average	
<u>COAL CREEK</u>							
CSU Ranch	12M17	8200	2/27	20	4.8	9.0	- -
Cedar Breaks	12M1	10390	2/27	57	17.3	22.8	17.7*
Midway Valley x	12M2	9800	2/27	59	17.3	24.1	19.3*
Urie Flat	12M10	8450	2/27	21	4.8	8.3	6.4*
Webster Flat	12M3	9200	2/27	43	11.6	20.0	14.1*
<u>ENTERPRISE TO NEW HARMONY DRAINAGES</u>							
Little Grassy Creek	13M4	6100	3/2	2	0.6	4.1	3.1*
Long Flat	13M2	8000	3/2	12	2.7	7.6	4.6*
COLORADO RIVER DRAINAGE							
<u>UPPER GREEN RIVER IN UTAH (Tributaries above Flaming Gorge)</u>							
Black's Fork Jct.	10J22	8925	2/20	35	7.4	6.0	7.7*
Buck Pasture A	10J23	9700	2/28	64A	15.2A	- -	- -
Burnt Creek	9J14	7900	No Report			- -	- -
East Fk.Black's Fork G.S.	10J21	9300	2/20	33	7.9	5.6	7.9*
Henry's Fork A	10J24	10200	2/28	61A	15.6A	- -	- -
Hewinta Guard Station	10J4	9500	2/21	30	7.1	5.8	7.5*
Hickerson Park	9J8	9100	2/24	17	3.8	3.3	6.1*
Spirit Lake	9J7	10300	2/24	39	9.6	8.5	11.3*
Steel Creek Park	10J20	9900	2/21	51	13.0	9.9	11.8*
<u>GREEN RIVER TRIBUTARIES BETWEEN FLAMING GORGE & DUCHESNE RIVER</u>							
Ashley Twin Lakes A	9J11	10500	2/28	46A	12.9A	- -	- -
Grizzly Ridge	9J13	8500	No Report			- -	- -
Kings Cabin(lower)	9J2	8600	2/23	35	9.3	8.8	8.2*
Kings Cabin(upper)	9J1	8730	2/23	42	10.9	9.4	9.4*
Reynolds Park A	9J10	10400	2/28	45A	12.6A	- -	- -
Windy Park A	9J12	9400	2/28	45A	11.7A	- -	- -
<u>DUCHESNE RIVER</u>							
Atwood Basin A	10J27	10250	2/28	36A	9.9A	- -	- -
Chepeta-Whiterocks Lakes A	9J9	10300	2/28	53A	14.8A	- -	- -
Daniels-Strawberry Smt. x	11J23	8000	2/27	50	17.3	12.0	13.4
East Portal x	11J7	7560	2/26	41	12.0	10.0	10.6
Five Point Lake A	10J26	11000	2/28	72A	18.7A	- -	- -
Indian Canyon	10K1	9100	2/21	43	12.7	11.8	10.2
Julius Park	9J6	9800	2/27	49	14.0	11.6	11.7*
Lakefork Basin A	10J25	11100	No Report			- -	- -
Lakefork Mountain	10J10	10500	2/28	39	10.7	10.2	10.1*

SNOW COURSE			Date of Survey	Snow Depth (In)	Water Content (In)	Past Record Water Content(In) Last Yr. Average	
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DUCHESNE RIVER - Continued

Lakefork Mountain #2	10J11	8900	2/28	33	8.4	7.6	7.1*
Lakefork Mountain #3	10J12	8100	2/28	28	6.7	6.4	5.9*
Mosby Mountain	9J5	9500	2/27	41	10.9	9.9	9.2*
Paradise Park	9J3	10100	2/27	45	12.7	12.5	10.6*
Soapstone R.S. x	11J25	7800	2/28	42	12.3	8.5	11.7
Strawberry Divide x	11J8	8000	2/26	57	18.6	14.8	17.7
Trial Lake x	10J8	9800	2/28	73	24.3	17.4	23.0*

PRICE RIVER

Corral	10K5	8200	3/1	32	10.0	11.2	7.6*
Dry Valley Divide	11K8	7800	2/28	39	12.7	8.6	10.2*
Gooseberry Reservoir	11K4	8700	2/23	47	16.7	12.5	17.0*
Grassy Trail Crk-Left Fk.	10K3	7970	3/1	37	11.8	11.0	8.5*
Indian Canyon x	10K1	9100	2/21	43	12.7	11.8	10.2
Jones Ranch	11K7	7600	2/28	23	7.0	6.7	7.3*
Mammoth R.S.-Ctnwd. Crk. x	11K3	8800	2/23	52	17.4	13.6	17.5*
Mud Creek #2	11K33	8300	2/28	46	13.5	9.7	11.3*
Timberline	10K6	9100	3/1	51	16.9	N.R.	11.2*
White River #1	10K2	8600	2/27	44	14.4	10.0	12.2*
White River #2	11K24	7600	2/27	36	10.7	6.6	8.5*
White River #3	11K25	7400	2/27	34	10.6	6.8	8.0*

SAN RAFAEL RIVER

Buck Flat	11K31	9400	2/25	37	11.7	10.4	12.8*
Gooseberry Reservoir	11K4	8700	2/23	47	16.7	12.5	17.0*
Mammoth R.S.-Ctnwd. Crk. x	11K3	8800	2/23	52	17.4	13.6	17.5*
Red Pine Ridge	11K28	9400	2/23	47	15.2	13.4	13.8*
Rush Pond	11K38	9800	2/25	35	10.0	9.1	11.6*
Seely Creek R.S.	11K9	10000	2/28	34	11.8	12.6	12.4*
Upper Joes Valley	11K29	8800	2/23	31	9.3	7.7	7.9*
Wrigley Creek	11K32	9000	2/25	30	8.4	9.3	8.9*

MUDDY RIVER

Mt. Baldy R.S. x	11K12	9500	2/24	51	16.5	12.6	18.8*
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FREMONT RIVER

Black's Flat-UM Creek	11L4	9250	2/24	27	7.6	7.8	8.3*
Farnsworth Lake x	11L1	9900	2/27	44	13.2	10.4	14.4*
Fish Lake	11L3	8700	2/24	19	5.2	5.0	6.6*
Johnson Valley	11L6	8850	2/24	17	4.3	5.2	7.1*

SNOW COURSE	No.	Elev.	Date of Survey	Snow Depth (In)	Water Content (In)	Past Record Water Content(In) Last Yr. Average
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ESCALANTE RIVER

Widtsoe-Escalante Smt.	11M1	9500	2/23	13	3.9	8.0	6.8
Widtsoe-Escalante #2	11M2	9500	2/23	20	5.2	8.6	9.0*
Widtsoe-Escalante #3	11M3	9500	2/23	24	6.5	11.6	11.6*

VIRGIN RIVER

Cedar Breaks x	12M1	10390	2/27	57	17.3	22.8	17.7*
Duck Creek R.S.	12M4	8560	2/24	24	7.1	16.3	12.8*
Harris Flat R.S.	12M5	7700	2/24	15	4.3	9.0	7.9*
Long Valley Jct.	12M6	7500	2/24	8	2.0	4.3	4.0*
Midway Valley x	12M2	9800	2/27	59	17.3	24.1	19.3*
Webster Flat	12M3	9200	2/27	43	11.6	20.0	14.1*

SOUTHEASTERN UTAH DRAINAGES

Buckboard Flat	9M1	9000	2/20	26	7.2	14.1	11.4*
Camp Jackson	9M2	8600	2/20	30	8.8	15.0	10.3*
LaSal Mountain	9L1	8800	2/21	14	3.8	9.0	8.7*
LaSal Mountain (upper)	9L2	9600	2/21	33	8.9	N.R.	14.4*

PRECIPITATION DATA (Inches)

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
		DATE OF READING	MONTH'S PRECIPITATION	1948 - 62 AVERAGE	THIS YEAR	1948 - 62 AVERAGE	PERCENT OF AVERAGE

GREAT BASIN DRAINAGE

UPPER BEAR RIVER (Above Harer, Idaho)

Chalk Creek #2*	8000	2/23	2.24	3.10	15.03	13.75	109
Chalk Creek #3*	7500	2/23	1.71	2.55	11.47	11.30	102
Kelly R. S.	8200	No Report			-	-	-
Monte Cristo #2	8960	2/27	3.81	5.20	20.87	23.30	90
Salt River Summit	7900	2/27	3.30	3.20	13.65	14.60	93
Trial Lake*	9800	2/28	3.52	3.90	23.81	19.45	122

LOWER BEAR RIVER (Below Harer, Idaho)

Dry Bread Pond	8230	2/27	3.17	3.90	18.01	17.85	101
Garden City Summit	7600	2/25	4.16	3.40	14.88	15.50	96
Klondike Narrows	7400	2/28	5.02	4.20	20.05	19.20	104
Little Bear(upper)	6850	2/23	-	-	14.90	15.80	94
Monte Cristo #2	8960	2/27	3.81	5.20	20.87	23.30	90
Tony Grove R.S.(SCS)	6250	2/25	3.56	3.26	13.65	14.83	92
Willow Flat	6100	2/28	4.55	4.10	18.65	19.50	96

OGDEN RIVER

Ben Lomond(lower)	5850	2/24	3.55	4.85	19.36	21.15	92
Ben Lomond Trail	6000	2/24	3.69	5.10	20.27	22.15	92
Causey Dam	5500	2/27	2.41	2.30	10.86	11.15	97
Dry Bread Pond	8230	2/27	3.17	3.90	18.01	17.85	101
Horse Ridge	8260	3/1	-	-	19.02	-	-
Monte Cristo #2*	8960	2/27	3.81	5.20	20.87	23.30	90
Sagebrush Flat	6300	2/27	2.44	2.45	11.44	11.80	97

WEBER RIVER

Chalk Creek #1	9100	2/23	-	-	19.44	-	-
Chalk Creek #2	8000	2/23	2.24	3.10	15.03	13.75	109
Chalk Creek #3	7500	2/23	1.71	2.55	11.47	11.30	102
Farmington Guard Sta.(1)	7500	2/27	4.18	4.80	22.91	23.80	96
Farmington Rice (1)	7000	2/27	3.30	4.62a	19.67	21.74a	90
Horse Ridge	8260	3/1	-	-	19.02	-	-
Lost Creek Reservoir	6125	3/1	-	-	10.02	-	-
Parley's Canyon Smt.	7500	2/25	3.53	4.05	15.09	17.55	86
Redden Mine(upper)	9000	2/24	-	-	19.94	-	-
Silver Lake(Brighton)*(2)	8725	3/1	3.40	5.05a	22.83	23.42a	97
Smith & Morehouse	7600	2/24	1.55	3.05	14.86	14.95	99
Trial Lake*	9800	2/28	3.52	3.90	23.81	19.45	122

(1) Data supplied by U.S. Forest Service. (2) Data supplied by U.S. Weather Bureau. a - all values estimated except those where symbol "a" occurs. *Adjacent drainage.

PRECIPITATION DATA (Inches)

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
		DATE OF READING	MONTH'S PRECIPITATION	1948 - 62 AVERAGE	THIS YEAR	1948 - 62 AVERAGE	PERCENT OF AVERAGE
PROVO RIVER & UTAH LAKE							
Clear Creek Ridge #2	8000	2/23	1.52	2.60	15.81	13.60	116
Daniels-Strawberry Smt.	8000	2/27	1.92	3.00	17.59	14.80	119
Dutchman R.S.	7500	2/27	- -	4.25	19.58	21.51	91
East Portal Ridge	7800	2/26	2.50	3.00	16.55	14.80	112
Hobble Creek Smt.	7300	3/1	- -	- -	15.33	14.65	105
Payson R.S.	8050	2/24	1.80	3.00	17.35	14.65	118
Soapstone R.S.	7800	2/28	2.72	2.75	14.62	13.25	110
Strawberry Res.-E. Portal	7606			1.54a		8.76a	
Timpanogos Divide	8200	2/27	3.40	4.25a	31.80	21.51a	148
Trial Lake	9800	2/28	3.52	3.90	23.81	19.45	122

JORDAN RIVER & TOOELE VALLEY

Middle Canyon	7000	3/1	1.81	2.30	10.14	13.60	75
Mt. Dell Dam (2)	5500	3/1	1.01	2.41a	10.25	10.67a	96
Parley's Canyon Smt.	7500	2/25	3.53	4.05	15.09	17.55	86
Silver Lake (Brighton) (2)	8725	3/1	3.40	5.05a	22.83	23.42a	97
Vernon Creek	7500	2/28	- -	- -	12.40	- -	--

SEVIER RIVER ABOVE RICHFIELD

Big Flat*	10290	2/23	0.40	3.65	15.08	14.85	102
Box Creek	9800	2/27	- -	- -	12.50	10.55	118
Castle Valley	9700	2/21	- -	- -	11.00	13.60	81
Cedar Breaks	10390	2/27	- -	4.25	17.28	17.80	97
Duck Creek R.S.	8560	2/24	0.10	3.75	21.19	15.75	135
Fish Lake	8700	2/24	- -	1.20	9.56	6.00	159
Kimberly Mine	8900	2/28	2.25	3.55	18.22	14.50	126
Panguitch Lake	8200	2/21	- -	- -	5.60	6.10	92
Webster Flat*	9200	2/27	1.20	4.10	18.43	17.00	108
Widtsoe-Escalante #3	9500	2/23	0.24	2.15	8.24	10.35	80
Widtsoe R.S.	7600	2/23	0.10	0.80a	3.74	4.26a	88

SEVIER RIVER BELOW RICHFIELD (Including San Pitch River)

Beaver Dams	8000	2/24	- -	3.10	9.07	12.05	75
Farnsworth Lake	9900	2/27	2.42	3.90	13.90	15.05	92
G.B.R.C. Headquarters (1)	8700	2/28	1.75	3.74a	15.49	14.90a	104
G.B.R.C. Meadows (1)	10000	2/28	2.11	4.15a	19.78	16.46a	120
G.B.R.C. Oaks (1)	7655	2/28	0.95	2.65a	11.14	10.38a	107
Gooseberry R.S. (1)	7800	2/27	1.54	2.70	11.00	10.35	106
Gooseberry Reservoir*	8700	2/23	1.14	3.50	16.15	15.25	106
Mammoth R.S. #2*	8600	2/23	1.07	3.45	17.91	15.10	119
Mt. Baldy	9500	2/24	- -	- -	14.32	14.95	96
Pine Creek	8700	2/27	- -	- -	19.28	18.85	102
Shingle Mill	6200	2/28	1.51	2.75	13.26	11.80	112

(1) Data supplied by U.S. Forest Service. (2) Data supplied by U.S. Weather Bureau. a - all values estimated except those where symbol "a" occurs. *Adjacent drainage.

PRECIPITATION DATA (Inches)

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
		DATE OF READING	MONTH'S PRECIPITATION	1948 - 62 AVERAGE	THIS YEAR	1948 - 62 AVERAGE	PERCENT OF AVERAGE
<u>BEAVER RIVER</u>							
Beaver Canyon P.H. (2)	7275	3/1	0.14	2.02a	8.34	7.89a	106
Big Flat	10290	2/23	0.40	3.65	15.08	14.85	102
Merchant Valley	8650	2/23	0.83	- -	13.41	- -	- -
<u>PAROWAN CREEK</u>							
Tall Poles	8800	2/27	1.47	- -	11.66	- -	- -
Yankee Reservoir	8700	2/28	- -	2.30	10.11	9.65	105
<u>COAL CREEK</u>							
Cedar Breaks	10390	2/27	- -	4.25	17.28	17.80	97
Webster Flat*	9200	2/27	1.20	4.10	18.43	17.00	108
<u>ENTERPRISE TO NEW HARMONY DRAINAGE</u>							
Little Grassy Creek	6100	3/2	- -	- -	19.83	9.60	207
Long Flat	8000	3/2	- -	- -	10.17	11.30	90
COLORADO RIVER DRAINAGE							
<u>UPPER GREEN RIVER IN UTAH</u> <u>(Tributaries above Flaming Gorge)</u>							
Black's Fork Jct.	8925	2/20	- -	- -	9.66	8.20	118
Burnt Creek	7900	2/23	0.67	- -	6.78	- -	- -
E. Fork Black's Fork G.S.	9300	2/20	- -	- -	10.68	8.30	129
Hewinta G.S.	9500	2/21	- -	- -	10.57	8.70	121
Spirit Lake	10300	2/24	- -	- -	10.67	10.50	102
Steel Creek Park	9900	2/21	- -	- -	12.08	- -	- -
<u>GREEN RIVER TRIBUTARIES BETWEEN</u> <u>FLAMING GORGE & DUCHESNE RIVER</u>							
Grizzly Ridge	8500	2/23	1.12	- -	11.54	- -	- -
King's Cabin(upper)	8730	2/23	- -	- -	10.39	10.75	97
<u>DUCHESNE RIVER</u>							
Daniels-Strawberry Smt.*	8000	2/27	1.92	3.00	17.59	14.80	119
East Portal Ridge*	7800	2/26	2.50	3.00	16.55	14.80	112
Indian Canyon	9100	2/21	0.83	2.55	12.96	12.70	102
Julius Park	9800	2/27	1.01	2.50	12.23	12.25	100
Lakefork Mountain	10500	2/28	1.61	2.50	11.68	11.65	100
Moon Lake	8150	2/28	0.15	1.19a	8.35	7.11a	117
Paradise Park	10100	2/27	1.29	2.65	14.18	13.15	108
Soapstone R.S.	7800	2/28	2.72	2.75	14.62	13.25	110
Trial Lake*	9800	2/28	3.52	3.90	23.81	19.45	122

(1) Data supplied by U.S. Forest Service. (2) Data supplied by U.S. Weather Bureau. a - all values estimated except those where symbol "a" occurs. *Adjacent drainage.

PRECIPITATION DATA (Inches)

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
		DATE OF READING	MONTH'S PRECIPITATION	1948 - 62 AVERAGE	THIS YEAR	1948 - 62 AVERAGE	PERCENT OF AVERAGE

PRICE RIVER

Clear Creek Ridge #2*	8000	2/23	1.52	2.60	15.81	13.60	116
Gooseberry Reservoir	8700	2/23	1.14	3.50	16.15	15.25	106
Indian Canyon	9100	2/21	0.83	2.55	12.96	12.70	102
Mammoth R.S. #2	8600	2/23	1.07	3.45	17.91	15.10	119
Mud Creek	8300	2/28	1.85	2.60	14.40	12.90	112
White River #1	8600	2/27	- -	- -	11.95	13.35	90

SAN RAFAEL RIVER

Buck Flat	9400	2/25	1.55	3.40	14.20	13.55	105
G.B.R.C. Meadows*(1)	10000	2/28	2.11	4.15	19.78	16.46	120
Gooseberry Reservoir*	8700	2/23	1.14	3.50	16.15	15.25	106
Orange Olsen		2/23	0.55	- -	9.85	- -	- -
Red Pine Ridge	9400	2/23	2.20	4.30	18.40	16.40	112

MUDDY RIVER

Mt. Baldy R.S.*	9500	2/24	- -	- -	14.32	14.95	96
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FREMONT & ESCALANTE RIVERS

Black's Flat-U.M. Creek	9250	2/24	- -	- -	9.33	9.55	98
Farnsworth Lake*	9900	2/27	2.42	3.90	13.90	15.05	92
Fish Lake	8700	2/24	- -	1.20	9.56	6.00	159
Widtsoe-Escalante #3	9500	2/23	0.24	2.15	8.24	10.35	80

VIRGIN RIVER

Duck Creek R.S.	8560	2/24	0.10	3.75	21.19	15.75	135
Webster Flat	9200	2/27	1.20	4.10	18.43	17.00	108

SOUTHEASTERN UTAH DRAINAGES

Buckboard Flat	9000	2/20	- -	- -	13.20	17.25	77
Camp Jackson	8600	2/20	- -	- -	13.05	13.60	96
LaSal Mountain(upper)	9600	No Report		- -		16.40	

(1) Data supplied by U.S. Forest Service. (2) Data supplied by U.S. Weather Bureau. a - all values estimated except those where symbol "a" occurs. *Adjacent drainage.

Agencies Cooperating in Utah Snow Surveys

U. S. GOVERNMENT AGENCIES

U. S. Department of Agriculture
Soil Conservation Service
Forest Service

U. S. Department of Commerce
Weather Bureau

U. S. Department of Interior
Bureau of Reclamation
Geological Survey
National Park Service

STATE AGENCIES

Utah Agricultural Experiment Station
Utah Fish and Game Department
Utah State Engineer
Bear River Commissioner
Price River Commissioner
Provo River Commissioner
Sevier River Commissioners
Spanish Fork River Commissioner
Utah Lake and Jordan River Commissioner
Utah Water and Power Board

MUNICIPALITIES

Manti
Salt Lake City

ORGANIZED PUBLIC AGENCIES

Beaver River Water Users Association
Board of Canal Presidents - Jordan River
Emery Canal and Reservoir Company
Moon Lake Water Users Association
Ogden River Water Users Association
Provo River Water Users Association
Strawberry Water Users Association
Sevier River Water Users Association

PRIVATE AGENCIES

Kaiser Steel Corporation

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SOIL CONSERVATION SERVICE
FEDERAL BLDG. -- ROOM 4012
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with the Snow Survey"*